

## **CODES ENFORCEMENT COURSE LISTING**

### **INTRODUCTION TO CODES PRINCIPLES AND APPLICATIONS - C100**

This course provides code enforcement officials with an overview and application of building and fire codes and how codes are interpreted. Topics include terminology, construction types, code familiarization, plans review, and enforcement methods.

*Course Hours:* 21

*Course Fee:* \$145.00

### **COMPUTERS IN CODES ENFORCEMENT - C101**

This course concentrates on computer applications in the code enforcement discipline and covers terminology, security, electronic mail, word processing, spread sheets, code enforcement software, and storing, retrieving and compiling data.

*Course Hours:* 14

*Course Fee:* \$95.00

### **LEGAL ASPECTS OF CODE ADMINISTRATION - C102**

This course provides code enforcement officials with a broad understanding of national and state laws affecting property and code compliance. Topics include administrative law, property law, liability, and negligence.

*Course Hours:* 7

*Course Fee:* \$45.00

### **ZONING INSPECTOR AND PROPERTY STANDARDS – C103**

This course covers the fundamentals of interpreting zoning and property standards. Topics include receiving and recording complaints, complaint investigations, identifying violations, issuing notices, evidence file development, public presentations and providing information to the public.

*Course Hours:* 7

*Course Fee:* \$45.00

### **HOW TO PREPARE FOR A CERTIFICATION EXAM - C104**

This course provides the student with general preparatory information for certification examinations. Topics include the use of reference books and materials, exam format, compiling a study guide and maximizing study time.

*Course Hours:* 7

*Course Fee:* \$45.00

### **RULES AND REGULATIONS GOVERNING CONTRACTORS, ENGINEERS AND ARCHITECTS - C105**

This course covers the rules, regulations and state laws that govern contractors, engineers and architects. Topics include licensing requirements, projects that require licensed contractors, engineers or architects, and violations and penalties.

*Course Hours:* 7

*Course Fee:* \$45.00

### **INTRODUCTION TO PLANS REVIEW - C106**

This course provides instruction in basic blueprint reading skills including terminology and symbols, site plans, floor plans, and elevation and cut details.

*Course Hours:* 28

*Course Fee:* \$190.00

### **APPLICATIONS OF CODE MATHEMATICS - C107**

This course presents the fundamentals of code mathematics, math calculations and conversions. Building calculations include allowable height and area, square footage and cubic footage of areas that are rectangular and non-rectangular having flat and vaulted roofs or ceilings, occupant load, and egress requirements. Plumbing calculations include occupant loads, fixture requirements and fixture loads, and pipe sizing. Mechanical calculations include unit sizing, duct and register sizing, and allowable lengths of ducts. Electrical calculations include voltage drop, box fill and conduit fill.

*Course Hours:* 7

*Course Fee:* \$45.00

### **ACCESSIBILITY INSPECTOR AND RELATED CODE APPLICATIONS - C108**

This course concentrates on construction, installation, inspection requirements, techniques, and the procedures necessary to provide the knowledge needed to assure the minimum code requirements for barrier free design are met. Topics include accessibility requirements, fixture locations, and travel distances.

*Course Hours:* 7

*Course Fee:* \$45.00

### **CERTIFIED BUILDING OFFICIAL LEGAL AND MANAGEMENT – C109**

This course provides codes enforcement administrators with the organizational, regulatory and reporting aspects of management. Topics include administrative management, financial management, records management and personnel management. Additional topics include definitions, code adoption, code enforcement, land use and property standards, and due process.

*Course Hours:* 14  
*Course Fee:* \$95.00

### **CERTIFIED BUILDING OFFICIAL TECHNOLOGY – C110**

This course will provide the student with an overview of the technical codes. Architectural, structural and building systems plans review procedures are addressed. Additional topics include definitions, code enforcement and code interpretations.

*Course Hours:* 21  
*Course Fee:* \$145.00

### **SIGNIFICANT CODE CHANGES - C111**

This course covers the most significant code changes approved during the most recent code change cycle. It also explains the code change process and how to participate.

*Course Hours:* 7  
*Course Fee:* \$45.00

### **OVERVIEW OF THE INTERNATIONAL ENERGY CONSERVATION CODE (RESIDENTIAL) – C112**

This overview course provides the student with a working knowledge of the International Energy Conservation Code based on residential requirements. Topics include construction, installation requirements and inspections. Additional topics include forms and checklists.

*Course Hours:* 7  
*Course Fee:* \$45.00

### **OVERVIEW OF THE INTERNATIONAL RESIDENTIAL CODE – C113**

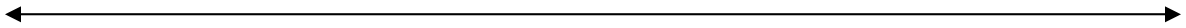
This overview course provides the student with basic knowledge of the most current edition of the International Residential Code. Topics include the major components of the structural, mechanical/gas, plumbing and electrical requirements.

*Course Hours:* 7  
*Course Fee:* \$45.00

### **INSPECTION OF STORAGE OCCUPANCIES – C114**

This course provides codes enforcement officials with a broad understanding of the rules and regulations affecting code compliance in storage occupancies. Topics include types of storage occupancies and regulations for hazardous and non-hazardous storage.

*Course Hours:* 7  
*Course Fee:* \$45.00



### **BUILDING INSPECTOR I - CB100**

This course is designed as a preparatory course to assist the new inspector in preparing to sit for the ICC, Commercial Building Inspector Exam. This course is taught using the ICC format and provides the student with the knowledge and skills needed to examine buildings and structures for compliance with the International Building Code. Topics include structural components, non-structural components and inspection / enforcement methods.

*Course Hours:* 35  
*Course Fee:* \*\$240.00

\*This basic course will be reduced to \$40.00 to qualified individuals if funds are available. Contact TFACA for more information.

### **BUILDING INSPECTOR II - CB101**

This course concentrates on construction and inspection requirements, techniques and procedures, and the technical knowledge needed to assure that the minimum requirements for commercial construction are met. This is an intermediate course dealing with complex construction and fire protection requirements for single and multi-story buildings in excess of 60,000 total square feet.

*Course Hours:* 21  
*Course Fee:* \$145.00

### **RESIDENTIAL BUILDING PRINCIPLES AND CODE APPLICATIONS - CB102**

This course is designed as a preparatory course to assist the new inspector in preparing to sit for the ICC, Residential Building Inspection exam. Topics include an understanding of simple residential construction, primarily wood frame construction. Additional topics include foundation walls, structural components, means of egress and fire separation requirements.

*Course Hours:* 28  
*Course Fee:* \$190.00

\*This basic course will be reduced to \$40.00 to qualified individuals if funds are available. Contact TFACA for more information.

### **COMMERCIAL BUILDING PRINCIPLES AND CODE APPLICATIONS - CB103**

This course concentrates on construction and inspection requirements, techniques and procedures, and the technical knowledge needed to assure that the minimum requirements for commercial construction are met. This is an advanced course dealing with complex construction and fire protection requirements of single and multi-story buildings of unlimited height and area requirements.

*Course Hours:* 21  
*Course Fee:* \$145.00

### **PROPERTY MAINTENANCE AND HOUSING CODE APPLICATIONS - CB104**

This course concentrates on construction and inspection requirements, techniques and procedures, and the technical knowledge to assure that rehabilitated residential structures comply with the minimum requirements. Topics include the rehabilitation process, construction materials, fundamentals of construction, and fundamentals of equipment systems.

*Course Hours:* 7  
*Course Fee:* \$45.00

### **EXISTING BUILDING PRINCIPLES AND CODE APPLICATIONS - CB105**

This course provides the basic knowledge and skills to guide the inspection of existing buildings and structures. Topics include inspection practices and procedures, fire prevention application, and building maintenance applications.

*Course Hours:* 7  
*Course Fee:* \$45.00

### **MODEL ENERGY CODE PRINCIPLES AND CODE APPLICATIONS - CB106**

This is a comprehensive course which concentrates on construction, installation and inspection requirements, techniques and procedures, and the technical knowledge needed to assure that the minimum requirements of the model energy code are met. Topics include buildings that must comply, forms and checklists, and the compliance process.

*Course Hours:* 7  
*Course Fee:* \$45.00

### **COMMON EXCAVATING AND GRADING REQUIREMENTS - CB107**

This course covers excavation and grading requirements. Topics include terminology, cuts, fills, slopes, materials, drainage, terracing and erosion controls.

*Course Hours:* 7  
*Course Fee:* \$45.00

### **BUILDING CONSTRUCTION COMBUSTIBLES AND NON-COMBUSTIBLES - CB108**

This course provides an understanding of combustibles and non-combustible construction materials. Non-combustible materials include steel, concrete, and masonry products. Combustible materials include wood, laminated veneer lumber, paper, and plastics. Other topics include interior wall coverings and fire retardant materials.

*Course Hours:* 7  
*Course Fee:* \$45.00

### **PROPERTIES OF WOOD FRAME CONSTRUCTION - CB109**

This course concentrates on principles and procedures for determining the design values for wood frame construction. Topics include the appropriate method for using basic code-referenced design documents to determine correct design values for floor, wall and roof framing components. Construction practices and inspection requirements are also discussed.

*Course Hours:* 7  
*Course Fee:* \$45.00

### **STRUCTURAL STEEL INSPECTION AND CODE APPLICATIONS - CB110**

This course concentrates on construction, installation and inspection requirements, techniques and procedures, and the technical knowledge needed to assure that the minimum requirements for the installation of structural steel are met. Topics include terminology, steel shapes and sizes, and identification of welds, cables and bolts.

*Course Hours:* 7  
*Course Fee:* \$45.00

## **MANUFACTURED / MODULAR HOME PRINCIPLES AND CODE APPLICATIONS - CB111**

This course concentrates on construction, installation, inspection requirements, techniques, procedures, and the technical knowledge needed to assure the minimum requirements for manufactured and modular homes are met. Topics include terminology, factory standards, and foundation/anchoring/permit requirements.

*Course Hours:* 7

*Course Fee:* \$45.00

## **NON-STRUCTURAL PLANS REVIEW - CB112**

This course concentrates on fire and life safety design and construction requirements to assure that the minimum requirements for occupancy classification, building parameters, construction type, separation requirements, means of egress and fire protection requirements are met. This course focuses primarily on commercial construction.

*Course Hours:* 21

*Course Fee:* \$145.00

## **SPECIAL OCCUPANCY PLANS REVIEW AND CODE APPLICATIONS - CB113**

This course concentrates on construction, installation, and inspection requirements, techniques and procedures, and the technical knowledge needed to assure the minimum requirements are met. Topics include terminology, egress requirements, tenant separation requirements and fire protection requirements.

*Course Hours:* 7

*Course Fee:* \$45.00

## **SEISMIC INSPECTION AND PLANS REVIEW - CB114**

This is a comprehensive course, which concentrates on construction, installation and inspection requirements, techniques and procedures, and the technical knowledge to assure that the minimum requirements for seismic standards are met. Topics include terminology, building code seismic requirements, seismic maps and seismic anchoring requirements.

*Course Hours:* 14

*Course Fee:* \$95.00

### **MEANS OF EGRESS - CB115**

This course concentrates on construction, inspection requirements, techniques and procedures and the technical knowledge needed to assure minimum requirements of egress related elements of building construction are met. A review of the applicable requirements of residential and commercial construction is included.

*Course Hours:* 7  
*Course Fee:* \$45.00

### **CONCRETE AND MASONRY PRINCIPLES AND CODE APPLICATIONS - CB116**

This course concentrates on construction and inspection requirements, techniques and procedures and the technical knowledge needed to assure minimum requirements for the installation of concrete or masonry components are met. Additional concentration on soil properties, special soil conditions, footings, foundation walls, and retaining walls of both residential and commercial applications is also included.

*Course Hours:* 7  
*Course Fee:* \$45.00

### **PERFORMANCE BASED EQUIVALENCY EVALUATIONS - CB117**

This course provides building plan reviewers with the knowledge of construction material standards and substitutes for those standards. Topics include alternative construction materials and properties, equivalency criteria and applications, and procedures for approving substitutes.

*Course Hours:* 7  
*Course Fee:* \$45.00

### **SEISMIC AND WIND BRACING REQUIREMENTS FOR WOOD FRAME CONSTRUCTION – CB118**

This course provides the information necessary to the student to properly understand and use the *Standard Building Code (SBC)*, *International Residential Code (IRC)* and the *International Building Code (IBC)* for wood-frame construction of walls. The student gains knowledge on the proper techniques for framing with traditional and engineered wood products. Standards referenced in the code will be reviewed and their application will be illustrated. Special attention is given to engineered wood products. Particular areas of emphasis include installation requirements unique features peculiar to braced wall requirements for seismic-resistive construction. The purpose of this course is to provide the student with the required information needed to enable him/her to be familiar with and understand the *SBC*, *IRC* and *IBC* conventional wood-frame



construction and engineered wood-frame construction with respect to wall bracing and framing.

*Course Hours:* 7  
*Course Fee:* \$45.00

### **CHANGE OF OCCUPANCY CODE APPLICATIONS – CB119**

This course covers the review procedures that should be followed if a change of occupancy is made. Types of construction, occupancy classifications and means of egress requirements are covered. Other topics include fire protection systems, rated assemblies and occupant loads.

*Course Hours:* 7  
*Course Fee:* \$45.00

### **SPECIAL USES AND MIXED OCCUPANCIES – CB120**

This course focuses on the particular details of special uses and mixed occupancy classifications. Unique building designs are thoroughly discussed. Covered malls, high-rises, underground buildings and atriums, among others, are examined. Additional topics include explanations and exercises involving incidental uses and mixed occupancies.

*Course Hours:* 7  
*Course Fee:* \$45.00

### **OVERVIEW OF THE INTERNATIONAL BUILDING CODE – CB121**

This course familiarizes the student with International Building Code. Topics include an emphasis on allowable areas and an understanding of the height and area requirements. Fire protection and construction requirements and the means of egress are also discussed.

*Course Hours:* 7  
*Course Fee:* \$45.00

### **COMPARISON OF STANDARD BUILDING CODE 1997 EDITION (RESIDENTIAL PROVISIONS) TO INTERNATIONAL RESIDENTIAL CODE (2003 ed.) – CB122**

This course discusses the differences that exist between the 1997 Standard Building Code and the International Residential Code 2003 edition. Topics include the differences between building planning, wood frame construction and alternative construction materials and methods.

*Course Hours:* 7  
*Course Fee:* \$45.00

### **COMPARRISON OF STANDARD BUILDING CODE 1999 EDITION (RESIDENTIAL PROVISIONS) TO INTERNATIONAL RESIDENTIAL CODE (2003 ed.) – CB123**

This course discusses the differences that exist between the 1999 Standard Building Code and the International Residential Code 2003 edition. Topics include the differences between building planning, wood frame construction and alternative construction materials and methods.

*Course Hours:* 7

*Course Fee:* \$45.00

### **FIRE DESIGN AND MEANS OF EGRESS: COMPARISON OF THE STANDARD BUILDING CODE TO THE INTERNATIONAL BUILDING CODE (2003 ed.) – CB124**

This course focuses on the comparison between the Standard Building Code (1997 and 1999 editions) and the International Building Code (2003 edition). An analysis of the critical facets of building design and construction are examined. Additional topics include components of fire design and the means of egress.

*Course Hours:* 7

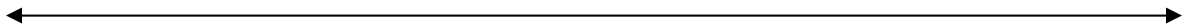
*Course Fee:* \$45.00

### **COMPARRISON OF STANDARD BUILDING CODE 1999 EDITION (RESIDENTIAL PROVISIONS) TO INTERNATIONAL RESIDENTIAL CODE (2003 ed.) – CB125**

This course discusses the differences that exist between the 1999 Standard Building Code and the International Residential Code 2003 edition. Topics include the differences between building planning, wood frame construction and alternative construction materials and methods. This course is a condensed version of *Comparison of Standard Building Code 1999 Edition (Residential Provisions) to International Residential Code (2003 ed.)* – CB123

*Course Hours:* 4

*Course Fee:* \$25.00



### **GENERAL ELECTRICAL CODE CONCEPTS - CE100**

This course provides the student with a general overview of the National Electrical Code (NEC). It covers the basic concepts for construction, installation, inspection requirements, techniques and procedures. Code requirements related to planning and construction for residential and commercial construction are discussed.

*Course Hours:* 7  
*Course Fee:* \$45.00

### **RESIDENTIAL ELECTRICAL PRINCIPLES AND CODE APPLICATIONS - CE101**

This course concentrates on construction, installation and inspection requirements, techniques and procedures, and the technical knowledge needed to assure compliance with the national electrical code requirements related to planning and construction for residential construction.

*Course Hours:* 14  
*Course Fee:* \$95.00

### **COMMERCIAL ELECTRICAL PRINCIPLES AND CODE APPLICATIONS - CE102**

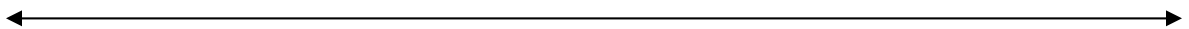
This course focuses on construction, installation and inspection requirements, techniques and procedures, and the technical knowledge needed to assure that compliance with the minimum national electrical code requirements related to planning and construction for commercial construction are met.

*Course Hours:* 21  
*Course Fee:* \$145.00

### **COMMERCIAL ELECTRICAL PLANS REVIEW - CE103**

This course concentrates on design and construction requirements to assure that the minimum requirements for materials, wire size, conduit requirements, voltage drop, panel size, and penetrations of rated assemblies are met. The course deals primarily with electrical applications in commercial buildings.

*Course Hours:* 21  
*Course Fee:* \$145.00



### **FIRE INSPECTOR I – INTERNATIONAL CODE COUNCIL (ICC) - CF100 ICC**

This course is designed as a preparatory course to assist the new inspector in preparing to sit for the ICC Fire Inspector I Exam. This class is taught using the ICC format and provides the student with the knowledge and skills necessary to examine buildings and structures for compliance with the International Fire Code and International Building Code. Topics include private fire protections systems, building construction, life safety codes, and inspections/enforcement methods.

*Course Hours:* 35  
*Course Fee:* \$240.00

\*This basic course will be reduced to \$40.00 to qualified individuals if funds are available. Contact TFACA for more information.

### **FIRE INSPECTOR I – NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) - CF100 NFPA**

This course is designed as a preparatory course to assist the new inspector in preparing to sit for the NFPA Fire Inspector I Exam. This course is taught using the NFPA format and provides the student with the knowledge and skills necessary to examine buildings and structures for compliance with NFPA standards and the International Fire Service Training Association (IFSTA) Manual. Topics include private fire protection systems, building construction, life safety codes, and inspection/enforcement methods.

*Course Hours:* 35  
*Course Fee:* \$240.00

\*This basic course will be reduced to \$40.00 to qualified individuals if funds are available. Contact TFACA for more information.

### **FIRE INSPECTOR II – INTERNATIONAL CODE COUNCIL (ICC) - CF101 ICC**

This course concentrates on construction and inspection requirements, technique and procedures, and the technical knowledge needed to ensure minimum requirements are met. This advanced course deals with complex construction and fire protection systems using the International Code Council format. The course provides the student with the knowledge and skills necessary to examine buildings and structures for compliance with the International Fire Code and the International Building Code. Topics include private fire protection systems, building construction and inspection/enforcement methods.

*Course Hours:* 28  
*Course Fee:* \$190.00  
*Prerequisite:* Recommend Fire Inspector I (ICC) – CF101 ICC **OR**  
Fire Inspector I (NFPA) - CF101 NFPA

### **FIRE INSPECTOR II – NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) - CF101 NFPA**

This course is taught using the NFPA format and concentrates on construction and inspection requirements, techniques and procedures, and the technical knowledge needed to ensure that the minimum requirements are met. This is an advanced course dealing with complex construction and fire protection systems.

Topics include protective systems and equipment, building fire safety, hazardous materials and special hazards.

*Course Hours:* 28  
*Course Fee:* \$190.00  
*Prerequisite:* Recommend Fire Inspector I (ICC) – CF101 ICC **OR**  
Fire Inspector I (NFPA) - CF101 NFPA

### **FIRE SAFETY PLANS REVIEW - CF102**

This is a comprehensive course, which concentrates on design and construction requirements to assure that the minimum requirements for fire safety are met. Topics include terminology, site requirements, hazardous materials, protection systems, special hazards, and National Fire Protection Association (NFPA) standards.

*Course Hours:* 28  
*Course Fee:* \$190.00

### **BUILDING FIRE PROTECTION SYSTEMS - CF103**

This is a comprehensive course which concentrates on construction, installation and inspection requirements, techniques and procedures, and the technical knowledge needed to assure that minimum standards for building fire protection systems are met. Topics include terminology, standpipes, types of sprinkler systems, types of alarm systems, system tests, water pressure and hydrants, and required inspections.

*Course Hours:* 7  
*Course Fee:* \$45.00

### **FIRE PROOFING METHODS AND PROTECTION OF RATED ASSEMBLIES - CF104**

This course concentrates on construction and inspection requirements, techniques and procedures, and the technical knowledge needed to assure that minimum requirements related to fire proofing and protection of rated assemblies are met. It includes a review of applicable residential and commercial construction requirements.

*Course Hours:* 7  
*Course Fee:* \$45.00

### **FIRE SPRINKLER DESIGN AND PLANS REVIEW - CF105**

This course provides inspectors with the knowledge and skills necessary to review the design and operation of fire sprinkler systems. Topics include types

of sprinkler systems, standpipe systems, water supply and pressure, installation and maintenance requirements, and inspection.

*Course Hours:* 14  
*Course Fee:* \$95.00

### **NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) LIFE SAFETY CODE PRINCIPLES - CF106**

This is a comprehensive course, which concentrates on construction, installation and inspection requirements, techniques and procedures and the technical knowledge needed to assure that the minimum requirements are met. Topics include terminology, plans review, building construction, egress requirements, occupancy classifications, and building protection systems.

*Course Hours:* 21  
*Course Fee:* \$145.00

### **STORAGE TANKS FOR COMBUSTIBLES PRINCIPLES AND CODE APPLICATIONS - CF107**

This course concentrates on construction, installation and inspection requirements, techniques and procedures, and the technical knowledge needed to assure that minimum requirements are met. Topics include terminology, site requirements, materials, above and below ground tanks, hazardous and non-hazardous combustible materials and containment requirements.

*Course Hours:* 7  
*Course Fee:* \$45.00

### **OVERVIEW OF THE INTERNATIONAL FIRE CODE – CF108**

This course provides the student with a working knowledge of the International Fire Code. Topics include requirements for occupancy, building construction, fire service features of buildings, fire protections systems and means of egress requirements.

*Course Hours:* 7  
*Course Fee:* \$45.00

### **OVERVIEW OF NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) 72 NATIONAL FIRE ALARM CODE – CF109**

This course covers the fundamentals of fire alarms and detection systems and code requirements. (These requirements are occupancy specific; the student needs a basic understanding of occupancy classifications.) Topics include terminology, initiating devices, inspection, testing and maintenance. The course

additionally addresses current issues in fire protection such as evacuation, security and integrated building systems.

*Course Hours:* 7  
*Course Fee:* \$45.00

### **OVERVIEW OF NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) 30 AND 33: FLAMMABLE AND COMBUSTIBLE LIQUIDS – CF110**

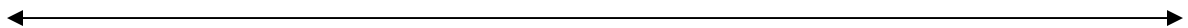
This course examines typical problems associated with the use of flammable and combustible liquids and addresses the specific code requirements of NFPA 30 and 33 regulating their use. The use of flammable and combustible liquids in industrial applications is covered. Topics include proper storage and handling requirements, ventilation and proper fire protection requirements.

*Course Hours:* 7  
*Course Fee:* \$45.00

### **OVERVIEW OF NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) LIFE SAFETY CODE PRINCIPLES(101) – CF111**

This overview of the Life Safety Code covers construction, installation and inspection requirements, techniques and procedures, and the technical knowledge needed to ensure minimum requirements are met. Topics include terminology, plans review, building construction, egress requirements, occupancy classification, and building protection systems

*Course Hours:* 7  
*Course Fee:* \$45.00



### **GENERAL MECHANICAL AND GAS CODE CONCEPTS - CM100**

This course gives the student an overview of mechanical and gas installations and covers the basic concepts for construction, installation and inspection requirements, techniques, and procedures. Code requirements related to planning and construction for residential and commercial systems are discussed.

*Course Hours:* 7  
*Course Fee:* \$45.00

### **RESIDENTIAL MECHANICAL AND GAS PRINCIPLES AND CODE APPLICATIONS - CM101**

This course focuses on construction and inspection requirements, techniques and procedures, and the technical knowledge needed to assure the minimum

requirements for residential mechanical installations are met. The fundamentals of heat and air conditioning systems, terminology, and performing various calculations are also covered.

*Course Hours:* 14

*Course Fee:* \$95.00

### **COMMERICAL MECHANICAL AND GAS PRINCIPLES AND CODE APPLICATIONS - CM102**

This course concentrates on construction and inspection requirements, techniques and procedures, and the technical knowledge needed to assure that the minimum requirements for commercial mechanical installations are met. This course deals with combustion and venting, materials and fittings, duct and venting systems, and fire protection requirements.

*Course Hours:* 21

*Course Fee:* \$145.00

### **COMMERICAL MECHANICAL AND GAS PLANS REVIEW - CM103**

This course concentrates on design and construction requirements to assure that the minimum requirements for materials, duct size, unit size, gas pipe size and penetrations of rated assemblies are met. This course deals primarily with mechanical and gas applications as related to commercial structures.

*Course Hours:* 21

*Course Fee:* \$145.00

### **OVERVIEW OF THE INTERNATIONAL MECHANICAL AND FUEL GAS CODE – CM104**

This course covers the basics of the International Mechanical Code and the International Fuel Gas Codes. The overview will help the student in understanding and applying these codes. Topics include piping (including sizing), exhaust systems, definitions, combustion air calculations, and chimneys and vents.

*Course Hours:* 7

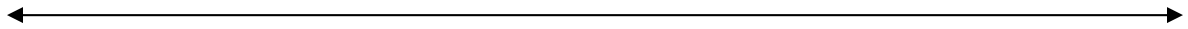
*Course Fee:* \$45.00

### **GAS, PIPE AND VENT SIZING WORKSHOP – CM105**

This course provides the student with a working ability to size and inspect gas piping and vents. The course also allows the student an understanding of the common terms and their application to gas pipe sizing. Additional topics include how to plan, size and inspect gas piping, and inspect chimneys, vent connectors and vents for single and multiple fuel burning appliances.



*Course Hours:* 7  
*Course Fee:* \$45.00



### **GENERAL PLUMBING CODE CONCEPTS - CP100**

This course provides the student an overview of plumbing installation concepts and covers the basic concepts for construction, techniques and procedures, installation and inspection requirements. Code requirements related to planning and construction for residential and commercial construction are also discussed.

*Course Hours:* 7  
*Course Fee:* \$45.00

### **RESIDENTIAL PLUMBING PRINCIPLES AND CODE APPLICATIONS - CP101**

This course focuses on construction and inspection requirements, techniques and procedures, and the technical knowledge needed to assure the minimum requirements for residential plumbing are met. This course deals with the use of the code, basic plumbing terminology, and how to perform various plumbing calculations.

*Course Hours:* 14  
*Course Fee:* \$95.00

### **COMMERCIAL PLUMBING PRINCIPLES AND CODE APPLICATIONS - CP102**

This course concentrates on construction, inspection requirements, techniques and procedures, and the technical knowledge needed to assure that the minimum requirements for commercial plumbing are met. This course pertains to general regulations, materials, required fixtures, drainage and venting principles, and storm drain requirements.

*Course Hours:* 21  
*Course Fee:* \$145.00

### **COMMERCIAL PLUMBING PLANS REVIEW - CP103**

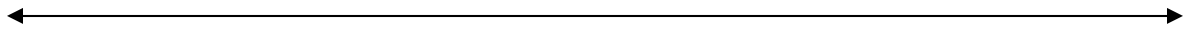
This is a comprehensive course that concentrates on design and construction requirements to assure that the minimum requirements for materials, water pressure, pipe sizing, and protection of penetrations in rated assemblies are met. This course focuses primarily on plumbing applications in commercial buildings.

*Course Hours:* 21  
*Course Fee:* \$145.00

### **OVERVIEW OF THE INTERNATIONAL PLUMBING CODE - CP104**

This overview provides the student with a working knowledge of the International Plumbing Code and covers construction requirements, inspection requirements and techniques and procedures. The course pertains to general regulations, materials, required fixtures, drainage and venting principles and storm drain requirements.

*Course Hours:* 7  
*Course Fee:* \$45.00



### **POWERS AND DUTIES OF THE PLANNING COMMISSION / ZONING BOARD OF APPEALS – CPZ100**

Local planning commissions and a zoning board of appeals play a vital role in any jurisdiction's operation. Knowledge of their powers, duties, limits and abilities, as well as liabilities are critical to the effective operation of these boards. This course covers special use, conditional use, right-of-ways and variances. Additional topics include discussions of issues that are common to all such boards, as well as examining what may be specific and unique to the ordinance in your local community.

*Course Hours:* 2  
*Course Fee:* \$15.00

### **LAND SUBDIVISION – CPZ101**

One of the most common presentations to a planning commission is the submittal of plans for land subdivision. This course covers the requirements; from conception to build-out, detailing major and minor subdivisions, lot configuration, frontage, grave/cemetery enclosures, right-of-ways, easements and surveying theory. Instruction includes the use of local subdivision regulations and continues with local and state regulations governing proper land subdivision.

*Course Hours:* 2  
*Course Fee:* \$15.00

### **PARLIAMENTARY PROCEDURE – CPZ102**

A working knowledge of Parliamentary Procedure helps planning commissions or zoning board of appeals obtain the tools required to effectively handle business. Motions, seconds, tabling, discussions and executive sessions are a few of the many items covered. Additional topics include records keeping, amending and

withdrawing a motion, handling of citizens comments and what to do when chaos reigns.

*Course Hours:* 2  
*Course Fee:* \$15.00

### **PUBLIC HEARING PROCEDURES – CPZ103**

Protocol must be established in order to maintain a public hearing. This course offers time-tested guidance on proper methods of conducting a hearing and how best to deal with and resolve uncomfortable situations. Additional topics include records holding and advertising of public hearings to the intended audience.

*Course Hours:* 2  
*Course Fee:* 15\$.00

### **PUBLIC BUILDINGS – CPZ104**

This course covers the fundamentals related to all public buildings. Code compliance, handicap accessibility, religious and public use in buildings is discussed. Additional topics include new construction requirements for designer and contractor qualifications.

*Course Hours:* 2  
*Course Fee:* \$15.00

### **WIRELESS TELECOMMUNICATIONS FACILITIES – CPZ105**

Wireless telecommunication towers are a common site. This course covers the requirements related to wireless telecommunications. Course topics include zoning, application, enabling legislation, required submittal documents, permitting, installation inspection and maintenance of wireless telecommunication towers.

*Course Hours:* 2  
*Course Fee:* \$15.00

### **LAND USE – CPZ106**

This course involves an introduction into local jurisdictions ability to regulate land use through zoning and shows the connection between the passing of land use regulations abilities from the Federal government to the state to local government. Instruction includes the restrictions placed on local governments to regulate communication equipment, group homes and manufactured homes (double wide mobile homes) by the state. Topics include information on how state laws protect non-conforming uses, sovereign immunity and how it applies to the different branches of government and when it must be recognized.

*Course Hours:* 2  
*Course Fee:* \$15.00

### **HISTORICAL BUILDINGS: ZONING AND REHABILITATION – CPZ107**

This course discusses the preservation of local governments' historical areas and encompasses the federal and state regulations as they pertain to obtaining jurisdiction as a recognized Historical Commission. Discussion also includes how to begin a historical district in your local community. Code provisions for maintaining and remodeling older, historical buildings are also covered.

*Course Hours:* 4  
*Course Fee:* \$25.00

### **INTERNATIONAL CODE COUNCIL (ICC) CERTIFICATION PROGRAM FOR CODE PROFESSIONALS**

The student should be aware that instruction in these courses is designed to teach an understanding of the code, proper use of the code-book and how to administer the code. The courses are not designed to teach the certification exam. Individuals are responsible for contacting ICC for all certification examination applications and exam fees.

For more information, please contact ICC Exam Services at 205.591.1853 or [www.iccsafe.org](http://www.iccsafe.org).

### **NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) CERTIFICATION PROGRAM FOR CODE PROFESSIONALS**

The student should be aware that instruction in these courses is designed to teach an understanding of the code, proper use of the code-book and how to administer the code. The courses are not designed to teach the certification exam. Individuals are responsible for contacting NFPA for all certification examination applications and exam fees.

For more information, please contact NFPA's Certification Department at 617.984.7497 or [www.nfpa.org](http://www.nfpa.org).